

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
Arlington, VA 22202  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing:

11 January 2001 (11.01.01)

International application No.:

PCT/US00/17532

Applicant's or agent's file reference:

CM2173/MH

International filing date:

26 June 2000 (26.06.00)

Priority date:

01 July 1999 (01.07.99)

Applicant:

PETTIFER, Robert, Michael et al

1. The designated Office is hereby notified of its election made:



in the demand filed with the International preliminary Examining Authority on:

27 October 2000 (27.10.00)



in a notice effecting later election filed with the International Bureau on:

2. The election



was



was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

REC'D 28 AUG 2001

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference CM2173/MH	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/17532	International filing date (day/month/year) 26/06/2000	Priority date (day/month/year) 01/07/1999
International Patent Classification (IPC) or national classification and IPC C11D3/22		
Applicant THE PROCTER & GAMBLE COMPANY et al.		


- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
 

☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

- This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  27/10/2000	Date of completion of this report  24.08.2001
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Renoth, H  Telephone No. +49 89 2399 8589



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/17532

## I. Basis of this report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-42 as originally filed

**Claims, No.:**

1-9 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/US00/17532

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Yes:	Claims	1-9
	No:	Claims	
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-9
Industrial applicability (IA)	Yes:	Claims	1-9
	No:	Claims	

2. Citations and explanations  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/US00/17532

**ad ITEM V**

The following documents cited in the international search report are considered to be relevant with respect to the subject-matter of the present application;

D1: WO-A-99/14295

D2: WO-A-98/29528

*Novelty, Article 33(2) PCT*

A detergent composition comprising a modified cellulosic material, which is particulate and whereof at least 80% by weight has a particle size of below 1000 microns, is not explicitly disclosed in any of the documents cited in the international search report.

The subject-matter as defined in independent claim 1 of the present application is, therefore, considered to be novel.

Dependent claims 2-9 disclose preferred embodiments of the claim to which they refer and, thus, they also meet the requirements of the PCT in respect of novelty.

*Inventive step, Article 33(3) PCT*

1. Both D1 and D2 disclose detergent compositions comprising modified cellulosic material as disclosed in the present application.

It is disclosed in D1 and D2 and, thus, derivable therefrom that such modified cellulosic material imparts appearance and integrity benefits to fabrics and textiles.

2. The difference to the present application is that in D1 and D2 no particle size is mentioned at all for the modified cellulosic material.

According to the description, the use of specific particle sizes, i.e. at least 80% by weight below 1000 microns, of the modified cellulosic material provides improved dispersion of this material.

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/US00/17532

It is however generally known to the person skilled in the art that the feature of limiting the particle size to a specific upper limit is merely one of several straight-forward possibilities from which the skilled person would select, in accordance with circumstances, without the exercise of inventive skill, in order to achieve the desired result.

Furthermore, no comparative examples are given in the entire application which support this allegation.

The subject-matter of the present application, thus discloses no contribution to the state of the art, which might be regarded as a basis for an inventive step.

Dependent claims 2-9 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step.

## TENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>CM2173/MH</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 00/ 17532</b>	International filing date (day/month/year) <b>26/06/2000</b>	(Earliest) Priority Date (day/month/year) <b>01/07/1999</b>
Applicant <b>THE PROCTER &amp; GAMBLE COMPANY et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

National Application No

PCT/US 00/17532

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/22 C11D11/00 C11D11/02 C11D17/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 14295 A (GOSSELINK EUGENE PAUL ; LEUPIN JENNIFER ANN (US); PROCTER & GAMBLE) 25 March 1999 (1999-03-25) page 16, paragraph 2; example I ---	1
Y	WO 98 40463 A (HENKEL KGAA ; JUNG DIETER (DE); SCHAMBIL FRED (DE); BLASEY GERHARD) 17 September 1998 (1998-09-17) examples ---	1
X	WO 98 28339 A (ALLIED COLLOIDS LTD) 2 July 1998 (1998-07-02) example 1 --- -/--	1,2



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 October 2000

Date of mailing of the international search report

16/11/2000

Name and mailing address of the ISA

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Fax: (+31-70) 340-3016

Authorized officer

Loiselet-Taisne, S



## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/17532

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 634 481 A (PROCTER & GAMBLE) 18 January 1995 (1995-01-18) page 10, line 31 - line 39 page 11, line 8 - line 20 claims 1,4,5; examples ---	1,2
A	US 5 308 513 A (HARMALKER SUBHASH ET AL) 3 May 1994 (1994-05-03) claims 1,11 ---	1
A	WO 98 29528 A (HUNTER KATHLEEN BRENNER ;WASHINGTON NODIE MONROE (US); WANG JIPING) 9 July 1998 (1998-07-09) page 14, paragraph 3; claims; example II ---	1-9
P,A	DE 198 53 173 A (HENKEL KGAA) 25 May 2000 (2000-05-25) page 3, line 5 - line 45; claims 1,6,9-11 -----	1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/17532

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9914295 A	25-03-1999	AU 9389598 A	05-04-1999
		AU 9389698 A	05-04-1999
		AU 9389798 A	05-04-1999
		AU 9389898 A	05-04-1999
		EP 1015542 A	05-07-2000
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		CA 2047468 A	21-01-1992
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		PT 98342 A	29-05-1992
		ZA 9105125 A	31-03-1993
		AU 1625792 A	26-11-1992
		CA 2068949 A	21-11-1992

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/17532

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5308513 A		EP 0514992 A	25-11-1992
		GR 1001294 B	30-07-1993
		MX 9202295 A	01-11-1992
		PT 100497 A	31-08-1993
WO 9829528 A	09-07-1998	BR 9714097 A	21-03-2000
		CN 1247558 A	15-03-2000
		EP 0948591 A	13-10-1999
DE 19853173 A	25-05-2000	WO 0031231 A	02-06-2000

# INTERNATIONAL SEARCH REPORT

**Personal Application No**

**PCT/US 00/17532**

A. CLASSIFICATION		F. SUBJECT MATTER		
IPC 7	C11D3/22	C11D11/00	C11D11/02	C11D17/06

**According to International Patent Classification (IPC) or to both national classification and IPC**

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	WO 98 28339 A (ALLIED COLLOIDS LTD) 2 July 1998 (1998-07-02) example 1	1,2
	— —/— —	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

• **Special categories of cited documents :**

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

7. document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

**\*X** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

**3 October 2000**

Date of mailing of the international search report

**16/11/2000**

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Fax: (+31-70) 340-3016

Authorized officer

Loiselet-Taisne, S

# INTERNATIONAL SEARCH REPORT

Int. Application No

PCT/US 00/17532

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 634 481 A (PROCTER & GAMBLE) 18 January 1995 (1995-01-18) page 10, line 31 - line 39 page 11, line 8 - line 20 claims 1,4,5; examples	1,2
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P,A	DE 198 53 173 A (HENKEL KGAA) 25 May 2000 (2000-05-25) page 3, line 5 - line 45; claims 1,6,9-11	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9914295	A	25-03-1999	AU 9389598 A	05-04-1999
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			CA 2047468 A	21-01-1992
			EP 0467485 A	22-01-1992
			GR 91100311 A, B	26-08-1992
			MX 9100305 A	28-02-1992
			NZ 238820 A	26-01-1994
			PT 98342 A	29-05-1992
			ZA 9105125 A	31-03-1993
			AU 1625792 A	26-11-1992
			CA 2068949 A	21-11-1992

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/17532

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5308513 A		EP 0514992 A GR 1001294 B MX 9202295 A PT 100497 A	25-11-1992 30-07-1993 01-11-1992 31-08-1993
WO 9829528 A	09-07-1998	BR 9714097 A CN 1247558 A EP 0948591 A	21-03-2000 15-03-2000 13-10-1999
DE 19853173 A	25-05-2000	WO 0031231 A	02-06-2000